



# PRO-TECH PRODUCTS

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## AIA CEH Courses

### 1. Spray Foam in Commercial Roofing

- **Course Description:** This course aims to provide participants with a comprehensive understanding of spray foam roofing (SPF) and roofing systems. The course will cover the advantages of SPF, the methods of protecting SPF in the roofing application, the differences between acrylic and silicone coatings, foam formulation and manufacturing differences, and important points to consider when choosing the right roofing system.
- **Learning Objectives**
  - Students will learn what sprayfoam is and have a broad understanding of its uses, specifically in construction.
  - Students will analyze and learn the benefits of a sprayfoam roof system.
  - Students will understand how sprayfoam is protected and what a few of the most common methods of protecting SPF are.
  - Students will garner a broad understanding of formulation and performance differences between silicone and acrylic, in order to design the most efficient roof systems.
  - Students will gain a broad overview of SPF formulations and manufacturing differences.
  - Students will be familiarized with the important points to consider when designing a commercial roof in order to ensure the most appropriate use of materials.
- 1 LU Available

### 2. Spray Polyurethane Foam (SPF) for Roofing and Insulation

- **Course Description:** This course is designed to provide a comprehensive overview of Spray Polyurethane foam (SPF) for roofing and insulation applications. Attendees will learn about the history of SPF development, the physical properties of SPF, and its roofing and insulation applications. The presentation will also discuss the advantages of SPF roofing and insulation in construction projects.
- **Learning Objectives**
  - Students will learn what sprayfoam is and have a broad understanding of its uses, specifically in construction.
  - Students will acquire the knowledge of the history of spray foam development.
  - Students will gain a broad understanding of the physical properties of SPF and the different properties of insulation and roofing foam.
  - Students will grasp an understanding of the roofing applications of SPF.
  - Students will learn the advantages of SPF Roofing.
  - Students will gain a broad understanding of the Insulation Applications of SPF.
  - Students will comprehend the advantages of SPF Insulation.
- 1 LU Available

### 3. Comprehensive Spray Foam Roofing and Insulation: Performance, Safety, and Wellness

- **Course Description:** Spray foam roofing and insulation offer a versatile, energy-efficient solution for creating durable building envelopes, but the complexity of proper installation and health and safety concerns require specialized knowledge. This course covers the essentials of spray

polyurethane foam (SPF) systems, focusing on both roofing and insulation applications. Participants will explore how SPF contributes to thermal, air, and moisture control, as well as key techniques for ensuring optimal performance and longevity. Emphasis is placed on health and safety practices, including the use of personal protective equipment (PPE), proper ventilation, and addressing potential wellness concerns for building occupants. The course will also discuss how SPF systems can help meet sustainability goals while streamlining the design and construction process.

- Learning Objectives:
  - Identify key factors that affect performance, durability, and risk in SPF roofing and insulation systems, with an emphasis on health and safety considerations.
  - Understand the role of SPF in managing the five control layers—thermal, air, moisture, vapor, and bulk water—and how this impacts overall building performance and occupant wellness.
  - Describe different types of SPF products (open-cell and closed-cell), and learn how to select the right one based on project needs, safety standards, and long-term performance goals
  - Explore best practices for safe SPF installation, including proper ventilation, use of PPE, and ensuring indoor air quality during and after application.
- 1 LU/HSW Available